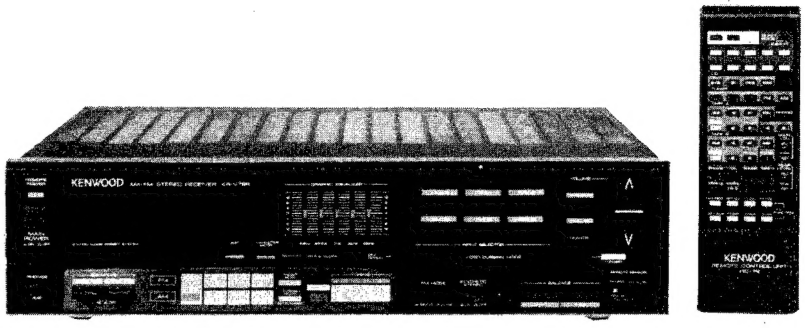

SPECIFICATIONS

AUDIO SECTION

Power Output

70 watts per channel minimum RMS, both channels driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.03 % total harmonic distortion

73 watts per channel minimum RMS, both channels driven into 8 ohms at 1 kHz with no more than 0.03 % total harmonic distortion

Total Harmonic Distortion	
(20Hz-20.000Hz, 8 ohms)	0.03 % at 70 watts
(1kHz , 8 ohms)	0.007 % at 70 watts
Intermodulation Distortion	0.03 % at 70 watts
Input Sensitivity/Impedance	
PHONO (MM)	2.5 mV/47 kohms
CD/AUX,TAPE,VIDEO	150 mV/47 kohms
Frequency Response	
PHONO (RIAA Standard Curve)	(20Hz-20,000Hz) ±0.5dB
TAPE,CD/AUX,VIDEO	(10Hz-70,000Hz) +0, −3dB
Signal to Noise Ratio	
PHONO (MM)	73 dB
CD/AUX, TAPE	100 dB
VIDEO	90 dB
Graphic Equalizer	
Center Frequency	63Hz, 300Hz, 1kHz, 3kHz, 10kHz
Control Range	±12 dB

VIDEO SECTION

Inputs	
VIDEO 1,2,3	1 Vp-p,75 ohms (unbalanced)
Outputs	
VIDEO 1,2, MONITOR OUT	1 Vp-p,75 ohms (unbalanced)

FM TUNER SECTION

Tuning Frequency Range	87.5 MHz - 108 MHz
Antenna Impedance	300 ohms balanced & 75 ohms unbalanced
Usable Sensitivity	10.8 dBf (1.9 μV)
50dB Quieting Sensitivity	
MONO	14.2 dBf (2.8 μV)
STEREO	37.1 dBf (39 μV)
Signal to Noise Ratio at 65 dBf	
MONO	78 dB
STEREO	72 dB
Total Harmonic Distortion at 1,000Hz	
MONO	0.09 %
STEREO	0.12 %
Frequency Response	30 Hz - 15,000 Hz $^{+0.5dB}_{-2dB}$
Stereo Separation	45 dB at 1,000 Hz
Selectivity	55 dB at 400kHz
Capture Ratio	1.2 dB
Image Rejection Ratio	43 dB
IF Rejection Ratio	86 dB
Spurious Rejection Ratio	83 dB
AM Suppression Ratio	62 dB

AM TUNER SECTION

Tuning Range
(530kHz - 1,610kHz) with the AM tuning interval set at 10 kHz

Usable Sensitivity	10 μV (400 μV/m)
Signal to Noise Ratio	50 dB
Total Harmonic Distortion	0.3 %
Selectivity	25 dB

GENERAL

Power Requirement	60 Hz, 120 V
Power Consumption	3A
AC Outlet	Switched x 3 (200 W)
Dimensions	**W:** 420 mm (16-9/16")
	H: 111 mm (4-3/8")
	D: 319.5 mm (12-9/16")
Weight	Net. 7.4kg (16.3 lb)

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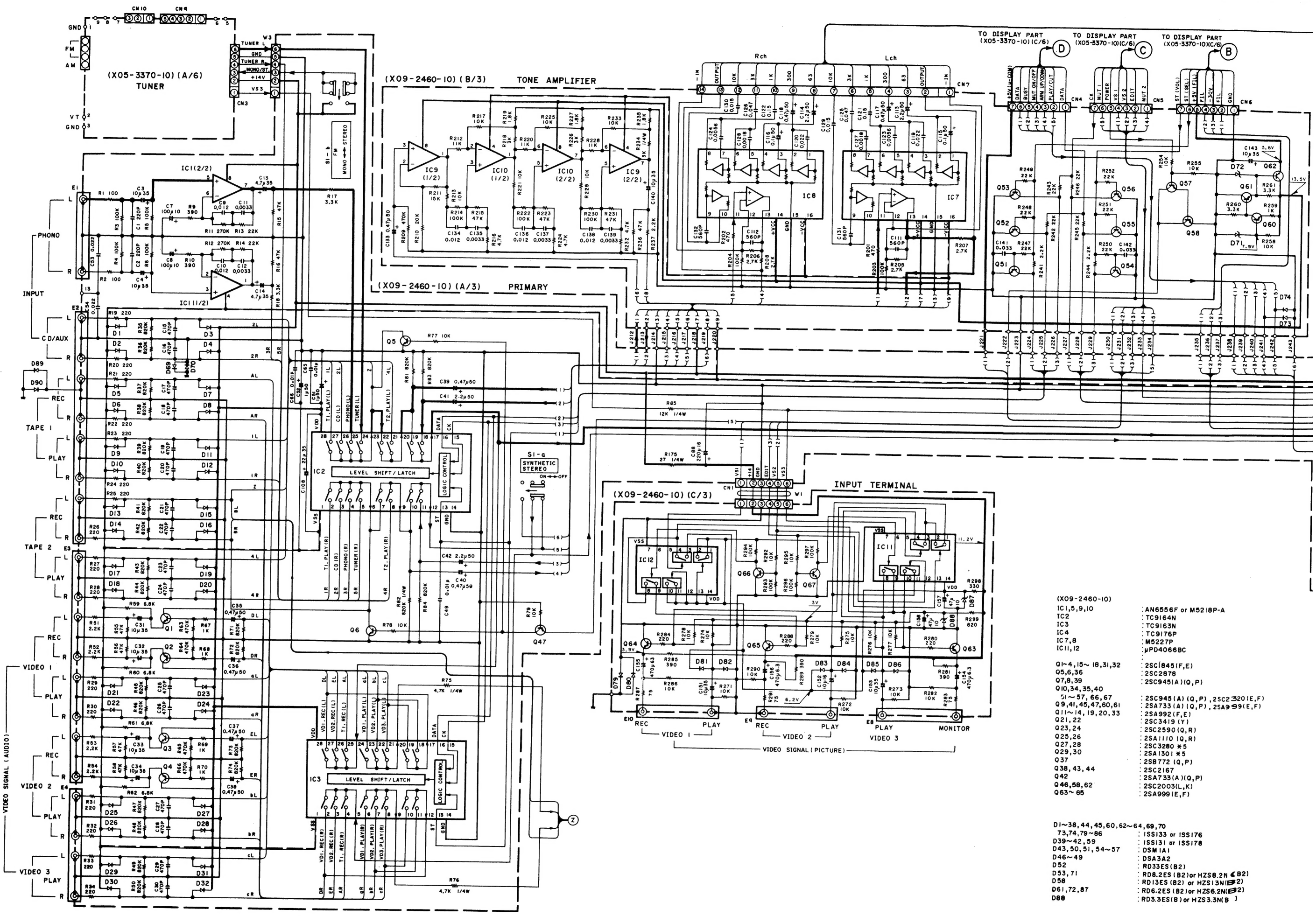
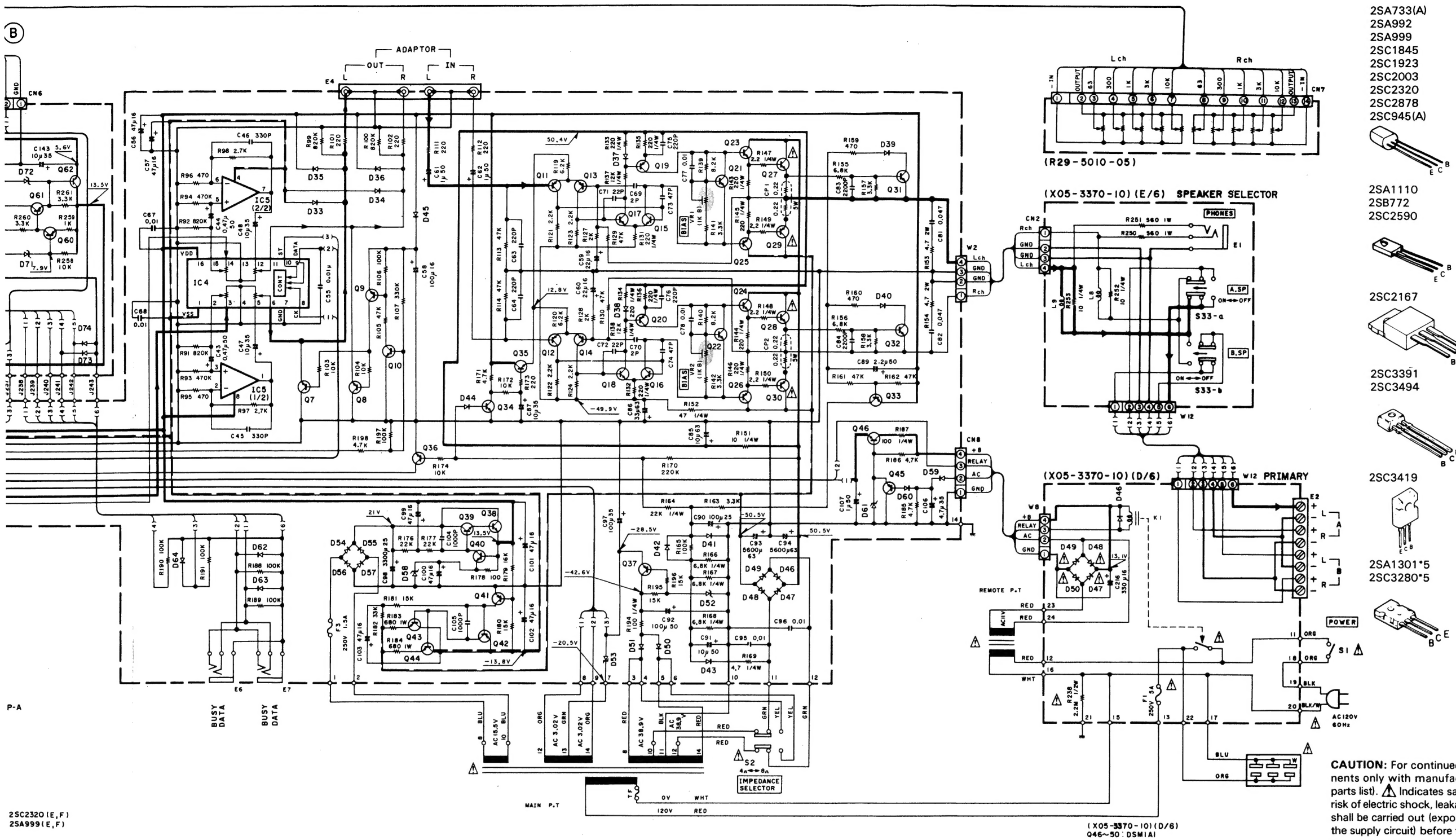


(X09-2460-10)	
IC1,5,9,10	: AN6556F or M5218P-A
IC2	: TC9164N
IC3	: TC9163N
IC4	: TC9176P
IC7,8	: M5227P
IC11,12	: μPD4066BC
	:
Q1~4,15~18,31,32	: 2SC945(F,E)
Q5,6,36	: 2SC2878
Q7,8,39	: 2SC945(A)(Q,P)
Q10,34,35,40	
51~57, 66, 67	: 2SC945(A)(Q,P), 2SC2320(E,F)
Q9,41,45,47,60,61	: 2SA733(A)(Q,P), 2SA999(E,F)
Q11~14, 19, 20, 33	: 2SA992(F,E)
Q21, 22	: 2SC3419(Y)
Q23, 24	: 2SC2590(Q,R)
Q25, 26	: 2SA1110(Q,R)
Q27, 28	: 2SC3280 *5
Q29, 30	: 2SA1301 *5
Q37	: 2SB772(Q,P)
Q38, 43, 44	: 2SC2167
Q42	: 2SA733(A)(Q,P)
Q46, 58, 62	: 2SC2003(L,K)
Q63~65	: 2SA999(E,F)

D1~38, 44, 45, 60, 62~64, 69, 70 73, 74, 79~86	: 1SS133 or 1SS176
D39~42, 59	: 1SS131 or 1SS178
D43, 50, 51, 54~57	: DSM1A1
D46~49	: DSA3A2
D52	: RD33ES(B2)
D53, 71	: RD8.2ES(B2)or HZS8.2N(B2)
D58	: RD13ES(B2) or HZS13N(B2)
D61, 72, 87	: RD6.2ES(B2)or HZS6.2N(B2)
D88	: RD3.3ES(B) or HZS3.3N(B)



2SA733(A)
2SA992
2SA999
2SC1845
2SC1923
2SC2003
2SC2320
2SC2878
2SC945(A)

2SA1110
2SB772
2SC2590

2SC2167

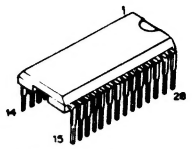
2SC3391
2SC3494

2SC3419

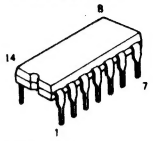
2SA1301*5
2SC3280*5

2SK439

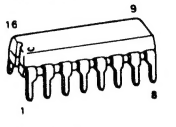
TD6301AP



UPD4066BC



LB1294
LM7001



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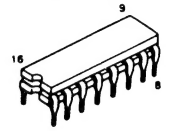
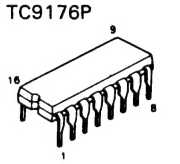
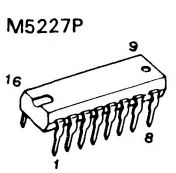


AN7470
TC9176P

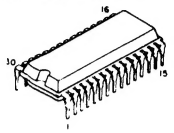


M5227P

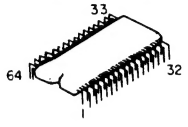


AN6556F
M5218P-A

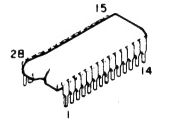
M50461-057SP



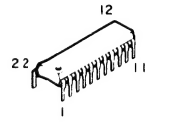
7516HG-050-36



TC9163N
TC9164N



LA1265



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.
- Les tensions c.c. doivent être measurées avec un voltmère à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
- Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

P-A

2SC2320(E,F)
2SA999(E,F)

S8.2N(B2)
S13N(B2)
S6.2N(B2)
3.3N(B)

(X05-3370-10)(C/6) DISPLAY

(X05-3370-10)(A/6) TUNER

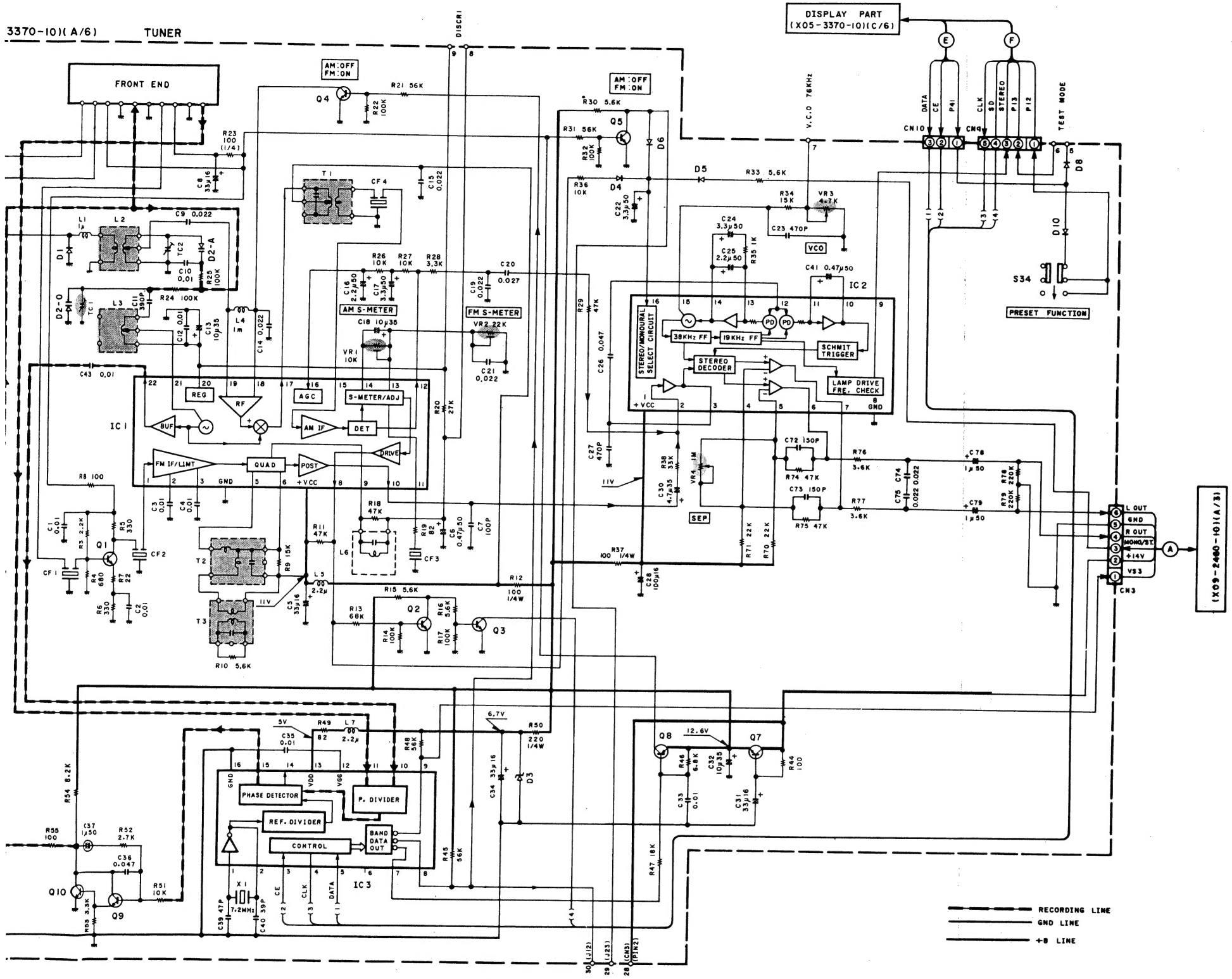
(X05-3370-10) (B/6) SWITCH

TO PRIMARY PART (X09-2460-10)(A/3)

TO TUNER PART (X05-3370-10)(A/6)

(X05-3370-10) BATTERY (F/6)

(X05-3370-10)			
IC1	: LA1265	Q7	: 2SC2003(L,K)
IC2	: AN7470	Q8, 11, 12	: 2SA733(A)(Q,P)
IC3	: LM7001	Q9, 10	: 2SC1845(F,E)
IC4	: 7516HG-050-36		
IC5	: μPD7564CS-037	D1, 4~6, 8, 10, 21~38	
IC6~10	: LB1294	40~44, 51~53	: 1SS133 or 1SS176
IC11	: TD6301AP	D2	: KV1236(Z2)
		D3	: RD6.8ES(B2) or HZS6.8N(B2)
Q1	: 2SC1923(R,O)	D39	: RD10ES(B) or HZS10N(B)
Q2~5	: 2SC945(AXQ,P)	D45	: B30-0483-06
FL1	: FIP9AM24		



X09-2460-10 (A/3)

Q37

E	−28.5 V
C	−42.6 V
B	—

X09-2460-10 (C/3)

Q64

E	3.9 V
C	—
B	—

Q65

E	6.2 V
C	—
B	3 V

X09-2460-10 (B/3)

Q60

E	13.5 V
C	—
B	7.9 V

Q62

E	5.6 V
C	13.5 V
B	—

X05-3370-10 (A/6)

Q7

E	12.6 V
C	—
B	—

X05-3370-10 (C/6)

Q11

E	4.8 V
C	—
B	—

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